A2 is valine, aspartic acid, tryptophan, lysine, phenylalanine, isoleucine, leucine, or tyrosine residue,

A3 is lysine, valine, aspartic acid, arginine, alanine, or tryptophan residue,

A4 is alanine, tryptophan, or glycine residue,

A5 is glycine, alanine, valine, leucine, isoleucine, serine, threonine, methionine, asparagine, glutamine, histidine, lysine, arginine, phenylalanine, tryptophan, proline, or tyrosine residue, and

R is OH derived from carboxyl group or NH_2 derived from acid amide group.

C39

2. (Amended) A peptide having affinity to gp120 represented by formula (2):

Al'-A2-A3-A4-A5-R (SEQ ID No. 2)

wherein, in the formula,

A1' means aspartic acid, lysine, valine, glutamic acid, glycine, asparagine, or tyrosine residue, or polypeptide residue that an arbitrary amino acid stood in line in N-terminal side from this amino acid, and

A2, A3, A4, A5 and R have the same meanings as in claim 1.

3. (Amended) A peptide having affinity to gp120 represented by formula (3):

H-Al-A2-A3-A4-A5'-R (SEQ ID No. 3)

wherein, in the formula,

A5' means glycine, alanine, valine, leucine, isoleucine, serine, threonine, methionine, asparagine, glutamine, histidine, lysine, arginine, phenylalanine, tryptophan, proline, or tyrosine

residue, or polypeptide residue that an arbitrary amino acid stood in line in C-terminal side from this amino acid, and

H, Al, A2, A3 and A4 have the same meanings as in claim 1.

4. (Amended) A peptide having affinity to gp120 comprising the amino acid sequence of Al-A2-A3-A4-A5 (SEQ ID No. 1).

5. (Amended) A peptide having affinity to gp120 represented by Formula (4):

H-al-a2-a3-a4-a5-R (SEQ ID No. 4)

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wherein, in the formula,

H means hydrogen,

a1 is tyrosine, arginine, phenylalanine, glycine, tryptophan, histidine, or aspartic acid residue,

a2 is arginine, tyrosine, tryptophan, alanine, valine, glutamine, histidine, or lysineresidue,

a3 is lysine, tyrosine, arginine, glutamic acid, methionine, or tryptophan residue,

a4 is glycine, alanine, valine, leucine, isoleucine, serine, threonine, methionine, asparagine, glutamine, histidine, lysine, arginine, phenylalanine, or tryptophan residue,

a5 is glycine, alanine, valine, leucine, isoleucine, serine, threonine, methionine, asparagine, glutamine, histidine, lysine, arginine, phenylalanine, tyrosine, or tryptophan residue, and

R is OH derived from carboxyl group or NH_2 derived from acid amide group.

6. (Amended) A peptide having affinity to gp120 represented by Formula (5):

a1'-a2-a3-a4-a5-R (SEQ ID No. 5)

wherein, in the formula,

a1' means tyrosine, arginine, phenylalanine, glycine, tryptophan, histidine, or aspartic acid residue, or polypeptide residue that an arbitrary amino acid stood in line in N-terminal side from this amino acid,

a2, a3, a4, a5 and R have the same meanings as in claim 5.

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7. (Amended) A peptide having affinity to gp120 represented by Formula (6):

H-a1-a2-a3-a4-a5' (SEQ ID No. 6)

wherein, in the formula,

a5' is glycine, alanine, valine, leucine, isoleucine, serine, threonine, methionine, asparagine, glutamine, histidine, lysine, arginine, phenylalanine, tyrosine, or tryptophan residue, or polypeptide residue that an arbitrary amino acid stood in line in C-terminal side from this amino acid, and

H, a1, a2, a3, and a4 have the same meanings as in claim 5.

8 (Amended) A peptide having affinity to gp120 comprising the amino acid sequence of a1-a2-a3-a4-a5 (SEQ ID No. 4).